

5.6.9 Major Residential HVAC Equipment Lifetimes, Ages, and Replacement Picture

<u>Equipment Type</u>	<u>Typical Service Lifetime Range</u>	<u>Average Lifetime</u>	<u>1990 Average Stock Age</u>	<u>Units to be Replaced During 2004</u>
Central Air Conditioners	10 - 20	10	9	3,887,820
Heat Pumps	10 - 20	10	8	1,008,072
Furnaces				3,236,156
Electric	10 - 20	10	11	375,055
Gas-Fired	10 - 20	10	12	2,696,765
Oil-Fired	10 - 20	10	N.A.	164,336
Steam or Hot-Water Boilers (gas and oil)	20 - 40	N.A.	14	N.A.

Note(s): Replacement values include smaller commercial building units. Gas/oil furnaces include wall furnaces.

Source(s): Appliance Magazine, A Portrait of the U.S. Appliance Industry, Sep. 2003, p. P-5 for service and average lifetimes, and units to be replaced; ASHRAE, 1999 ASHRAE Handbook: HVAC Applications, Table 3, p. 35.3 for boilers service lifetimes; and EIA, Housing Characteristics 1990, May 1992, Table 7, p. 24 for 1990 average stock ages.